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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Winakur, Eric Frank

P0236S-2 / TYHC:0075-2

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INFORMATION DISCLOSURE
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Examiner Name

Attorney Docket Number

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				Photonics Kk			╛

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPIP 609. Daw lime through citation if not in conformance and not considered. Include copy of this from with next communication to applicature. ¹Applicant's using citation designation number (optional), "See Kinds Codes of USPTO Patent Documents at www.uprlo.cog or MPIP 901.04. "Fater Office that issued the document, by the two-letter code (WIPO Standard STL3). "For Japanese patent documents, the indication of the year of the reign of the Emporer must precede the serial number of the patent document." Are paperpriate symbols as indicated on the document under WIPO Standard STL 16 if possible. "Applicant is to place a check mark here it English language Translation is attached. It is collection of information is required by 37 CPR 197 and 11.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO) to process) an application. confidentality is governed by 35 U.S.C. 122 and 37 CPR 1.14. This collection is estimated to take 2 hours to complete, including agate ting, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of the complete application forms to the USPTO. Time will vary depending upon the individual case. Consumers on the amount of the process of the complete application form to the USPTO. Time will vary depending upon the individual case. Consumers and Translation of the publication form to the USPTO. Time will vary depending upon the individual case. Consumers and Translation of the Amount of the Complete Compl

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Sul	bstitute for	form 1449	/PTO	Complete if Known				
INFORMATION DISCLOSURE			SURE	Application Number	10/798,596			
STA	STATEMENT BY APPLICANT Filing Date March 10, 2004			March 10, 2004				
	(Use as many sheets as necessary)		First Named Inventor	Paul D. Mannheimer				
(1			Art Unit	3768				
-		Examiner Name	Winakur, Eric Frank					
Sheet	2	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2			

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STATEMENT BY APPLICANT			CANT	Filing Date	March 10, 2004		
				First Named Inventor	Paul D. Mannheimer		
(l	(Use as many sheets as necessary)		Art Unit	3768			
	-			Examiner Name	Winakur, Eric Frank		
Sheet	4	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2		

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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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Sheet	6	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2			

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INF				Application Number	10/798,596				
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Sheet	8	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2		

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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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INF	INFORMATION DISCLOSURE			Application Number	10/798,596		
STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004		
				First Named Inventor	Paul D. Mannheimer		
(1	(Use as many sheets as necessary)			Art Unit	3768		
				Examiner Name	Winakur, Eric Frank		
Sheet	9	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2		

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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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INFORMATION DISCLOSURE			SURE	Application Number	10/798,596		
STATEMENT BY APPLICANT			CANT	Filing Date	March 10, 2004		
				First Named Inventor	Paul D. Mannheimer		
(U	(Use as many sheets as necessary)			Art Unit	3768		
				Examiner Name	Winakur, Eric Frank		
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INFORMATION DISCLOSURE	Application Number	10/798,596						
STATEMENT BY APPLICANT	Filing Date	March 10, 2004						
	First Named Inventor	Paul D. Mannheimer						
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Winakur, Eric Frank

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				Examiner Name Winakur, Eric Frank			
Sheet	12	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2		

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STATEMENT BY APPLICANT			CANT	Filing Date	March 10, 2004			
				First Named Inventor Paul D. Mannheimer				
(L	(Use as many sheets as necessary)			Art Unit	3768			
			Examiner Name	Winakur, Eric Frank				
Sheet	13	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2			

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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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considered. Include copy of this form with next communication to applicant. ¹Applicant's unique clation designation number (orpicand). ²Nex finds Codes or USPTO Pletted Documents at <u>www.1869.00.00</u> vo MPEP 90.10.4 ²Pairet Office that issued the document, by the two-letter code (WPID Standard ST.). ³For Japanese trade documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Min of document by the appropriate symbols as indicated on the document under VIPIO Standard ST.16 if possible. ⁴Applicant is to place a check mark there if English language translation is attacked on the document under VIPIO Standard ST.16 if possible. ⁴Applicant is to place a check mark there if English language translation is attacked. ³Dis collection of information is required to y3 TCR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. confidentiality is sporemed by 35 USC. ²D2 and 37 CR 1.14. This collection is estimated to take two two complete, incling agathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Office. PLO Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patterns, P.O. Box 1450, Alexandria, VA 22313-1450.

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				Examiner Name	Winakur, Eric Frank				
Sheet	Sheet 14 of 35		Attorney Docket Number	P0236S-2 / TYHC:0075-2					

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	B79 B80 B81 B82 B83	No. ¹ Country Code ³ Number ⁴ Kind Code ³ If known) B79 B80 B81 B82 B83	Date Date MM-DD-YYYY	No. Country Code *Number *Kind Code *Gif Income) Date MM-DD-YYYY	No. Date Country Code *Number *Kind Code *Xithnown Date MM-DD-YYYY Applicant of Cited Document Where Relevant Passages or Relevant Figures Appear

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INFO	INFORMATION DISCLOSURE			Application Number	10/798,596				
STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004				
			First Named Inventor	Paul D. Mannheimer					
(L		ny sheets ssary)	as	Art Unit	3768				
				Examiner Name	Winakur, Eric Frank				
Sheet	15	of 35 Attorney Docket Number P0236S-2 / TYHC:0075-2		P0236S-2 / TYHC:0075-2					

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STATEMENT BY APPLICANT Filing Date March 10, 2004			March 10, 2004						
			First Named Inventor	Paul D. Mannheimer					
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				Examiner Name	Winakur, Eric Frank				
Sheet	16			P0236S-2 / TYHC:0075-2					

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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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INFORMATION DISCLOSURE			SURE	Application Number	10/798,596	
STATEMENT BY APPLICANT			CANT	Filing Date	March 10, 2004	
				First Named Inventor	Paul D. Mannheimer	
(l	(Use as many sheets as necessary)			Art Unit	3768	
				Examiner Name	Winakur, Eric Frank	
Sheet	Sheet 17 of 35		Attorney Docket Number	P0236S-2 / TYHC:0075-2		

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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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INFORMATION DISCLOSURE				Application Number	10/798,596	
STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004	
				First Named Inventor	Paul D. Mannheimer	
(l	(Use as many sheets as necessary)			Art Unit	3768	
				Examiner Name	Winakur, Eric Frank	
Sheet	18	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2	

			U.S.	PATENT DOO	CUMENTS	
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				Examiner Name	Winakur, Eric Frank	
Sheet	19	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sub	ostitute for	form 1449	/PTO	Co	mplete if Known			
INFORMATION DISCLOSURE			SURE	Application Number	10/798,596			
STATEMENT BY APPLICANT			CANT	Filing Date	March 10, 2004			
				First Named Inventor	Paul D. Mannheimer			
(U	(Use as many sheets as necessary)		Art Unit	3768				
				Examiner Name	Winakur, Eric Frank			
Sheet	Sheet 20 of 35		Attorney Docket Number	P0236S-2 / TYHC:0075-2				

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Initials*	No.1	Country Code 3-Number 4-Kind Code 5(if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures	T ⁶
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				First Named Inventor	Paul D. Mannheimer				
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				Examiner Name	Winakur, Eric Frank				
Sheet	21	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2				

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Examiner	Cite No.1		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines,
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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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STATEMENT BY APPLICANT			ICANT	Filing Date	March 10, 2004			
				First Named Inventor	Paul D. Mannheimer			
(1	(Use as many sheets as necessary)			Art Unit	3768			
**				Examiner Name	Winakur, Eric Frank			
Sheet 22 of 35 Attorney Docket Number P0236S-2 / TYHC:0075-2			P0236S-2 / TYHC:0075-2					

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INFO	INFORMATION DISCLOSURE			Application Number	10/798,596			
STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004			
	(Use as many sheets as necessary)			First Named Inventor	Paul D. Mannheimer			
(l				Art Unit	3768			
				Examiner Name	Winakur, Eric Frank			
Sheet	23	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2			

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INFORMATION DISCLOSURE			SURE	Application Number	10/798,596			
STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004			
	(Use as many sheets as necessary)			First Named Inventor	Paul D. Mannheimer			
(l				Art Unit	3768			
				Examiner Name	Winakur, Eric Frank			
Sheet	24	of	35	Attorney Docket Number P0236S-2 / TYHC:0075-2				

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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Initials*	No.1	Country Code 3-Number 4-Kind Code 5(if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures	T ⁶
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STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004			
				First Named Inventor	Paul D. Mannheimer			
(L	(Use as many sheets as necessary)		Art Unit	3768				
				Examiner Name	Winakur, Eric Frank			
Sheet	25	of	35	Attorney Docket Number P0236S-2 / TYHC:0075-2				

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Initials*	No.1		Date	Applicant of Cited	Where Relevant Passages	T6
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considered. Include copy of this form with next communication to applicant. Applicant's unique clation designation number (opinional). See Kinds Codes or USPTO Platent Documents at a waxw.gatop.gov or MPEP 901.0 4. "Pairer Office that issued the document, by the two-letter code (WPID Standard ST.3." ber Japanese transled documents, the indication of the year of the reign of the Emperor must procede the serial number of the patent document. With of adocument by the appropriate symbols as indicated on the document under WPID Standard ST.16 if possible. Applicant is to place a check mark there if English language Translation is attacked. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the phylic which is to file (and by the USPTO to process) an application. Confidentiality is sporemed by 35 USC 1.22 and 37 CFR 1.14. This collection is estimated to take two two completes, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time your require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, US. Platent and Trademark. Office, Po. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patterns, P.O. Box 1450, Alexandria, VA 22313-1450.

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			Examiner Name	Winakur, Eric Frank				
Sheet	Sheet 26 of 35		Attorney Docket Number	P0236S-2 / TYHC:0075-2				

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Examiner Initials*	Cite No.1	Nu	Document Number mber-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or
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Initials*	No.1		Date	Applicant of Cited	Where Relevant Passages	T6
		Country Code 3-Number 4-Kind Code 5(if known)	MM-DD-YYYY	Document	or Relevant Figures	1
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INF	INFORMATION DISCLOSURE			Application Number	10/798,596			
STA	STATEMENT BY APPLICANT		Filing Date	March 10, 2004				
				First Named Inventor	Paul D. Mannheimer			
(1	(Use as many sheets as necessary)		Art Unit	3768				
			Examiner Name	Winakur, Eric Frank				
Sheet	Sheet 27 of 35		Attorney Docket Number	P0236S-2 / TYHC:0075-2				

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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
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Initials*	No.1	Country Code ³⁻ Number ⁴⁻ Kind Code ^{5(if known)}	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
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*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MFPP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicatual. "Applicant" susque citation designation number (optional). "See KindS Codes of USPTO Patent Documents at https://www.uspto.gog/ or MFPP 901.04. "Eater Office that issued the document, by the two-letter code (WIPO Standard ST3.). "For Japanese patent document. When a part of the reign of the Emporer must proceed the serial number of the patent document. When the part of the reign of the part of the reign of the proceeding the size of the reign of document by the appropriate symbols as indicated on the document under WIPO Standard ST 1.6 if possible. "Applicant is to place a check must here it legisla language Translation is attached." This collection of information is required by ST CF 197 and 1.98. The information is required to obtain or extent in a benefit by the public which is to life tand by the USFTO to process) an application. confidentality is governed by ST USC. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including of time system of the confidence of the public which is to life and by the USFTO to process) an application. Confidentality is governed by ST USC. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including of time system of the confidence of the public of the public

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STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004		
				First Named Inventor	Paul D. Mannheimer		
(L	(Use as many sheets as necessary)		Art Unit	3768			
				Examiner Name	Winakur, Eric Frank		
Sheet	Sheet 28 of 35		Attorney Docket Number	P0236S-2 / TYHC:0075-2			

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INF	INFORMATION DISCLOSURE			Application Number	10/798,596		
STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004		
			First Named Inventor	Paul D. Mannheimer			
(1	(Use as many sheets as necessary)			Art Unit	3768		
			Examiner Name Winakur, Eric Frank				
Sheet	29	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2		

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Initials*	No.1		Date	Applicant of Cited	Where Relevant Passages	T6
		Country Code 3-Number 4-Kind Code 5(if known)	MM-DD-YYYY	Document	or Relevant Figures	1
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Sheet	30	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2	

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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear				
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	B185				туруч	П
	B186					П
	B187					П
	B188					П
	B189					
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INFORMATION DISCLOSURE				Application Number	10/798,596	
STA	TEMENT	BY APPLI	CANT	Filing Date	March 10, 2004	
				First Named Inventor	Paul D. Mannheimer	
(U	(Use as many sheets as necessary)			Art Unit	3768	
				Examiner Name	Winakur, Eric Frank	
Sheet	33	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2	

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STA	TEMENT	BY APPLI	CANT	Filing Date	March 10, 2004	
				First Named Inventor	Paul D. Mannheimer	
(1	(Use as many sheets as necessary)			Art Unit	3768	
				Examiner Name	Winakur, Eric Frank	
Sheet	34	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2	

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man	110.	Nur	nber-Kind Code ^{2 (if known)}		represent of cited pocument	Relevant Figures Appear			
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STA	STATEMENT BY APPLICANT			Filing Date	March 10, 2004	
				First Named Inventor	Paul D. Mannheimer	
(Use as many sheets as necessary)				Art Unit	3768	
				Examiner Name	Winakur, Eric Frank	
Sheet	35	of	35	Attorney Docket Number	P0236S-2 / TYHC:0075-2	

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